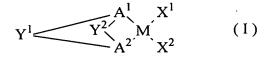
AMENDMENTS TO THE CLAIMS

1. – 10. (Cancelled)

11. (Currently Amended) A method for producing an α -olefin/aromatic vinyl compound copolymer, comprising copolymerizing an α -olefin and an aromatic vinyl compound in the presence of a copolymerization catalyst comprising a transition metal compound component (A) and a co-catalyst component (B), wherein the component (A) is represented by the following Formula I:



wherein each of A^1 and A^2 represents a cyclopentadienyl group, a substituted cyclopentadienyl group, or an indenyl group, or a substituted indenyl group each being optionally substituted by a substituent selected from the group consisting of a monovalent hydrocarbon group, a halogen atom, an alkoxy group, a silicon-containing monovalent hydrocarbon group, a phosphorus-containing monovalent hydrocarbon group, a nitrogen-containing monovalent hydrocarbon group; each of Y^1 and Y^2 represents a substituted or unsubstituted alkylene group, a substituted or unsubstituted silylene group, or a germanium-containing group, at least one of Y^1 and Y^2 being a substituted or unsubstituted alkylene group, and Y^2 represents a hydrogen atom, a halogen atom, an alkyl group, an aryl group, an arylalkyl group, an alkylaryl group, an alkoxy group, an aryloxy group, a silicon-containing group, or a sulfur-containing group.



- 12. (Previously Presented) The method according to Claim 11, wherein a cyclic olefin and/or a diene is further copolymerized with the α -olefin and the aromatic vinyl compound.
- 13. (Previously Presented) The method according to Claim 11, wherein Y^1 and Y^2 are different from each other.
- 14. (Previously Presented) The method according to Claim 11, wherein the copolymerization catalyst further comprises an alkylating agent (C).
- 15. (Previously Presented) The method according to Claim 11, wherein the copolymerization is performed in the presence of an additional chain-transfer agent.
- 16. (Previously Presented) The method according to Claim 11, wherein the aromatic vinyl compound is styrene.
- 17. (New) The method according to Claim 11, wherein each of A¹ and A² represents an indenyl group that may be substituted by a monovalent hydrocarbon group.
- 18. (New) The method according to Claim 11, wherein one of Y^1 and Y^2 represents a substituted or unsubstituted alkylene group and the other represents a substituted or unsubstituted silylene group.
- 19. (New) The method according to Claim 11, wherein each of Y¹ and Y² represents a substituted or unsubstituted alkylene group.

SUPPORT FOR THE AMENDMENT

Claim 11 has been amended.

Claims 17-19 have been added.

The amendment of Claim 11 is supported by Claim 11 as previously pending and the specification as originally filed at page 6. New Claims 17-19 are supported by the Examples of the present specification.

No new matter is believed to have been added by the present amendment.